

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

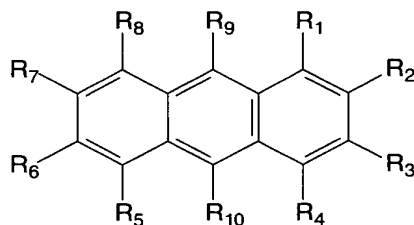
Listing of Claims:

1.(Original) An organic light-emitting device, comprising a substrate, an anode, and a cathode disposed over the substrate, and a luminescent layer disposed between the anode and the cathode wherein the luminescent layer includes a host and at least one dopant, the host of the luminescent layer is selected to include a solid organic material comprising a mixture of at least two components, wherein the first component is an organic compound containing an aminoanthracene, and the second component of the mixture contains an organic compound having a dipole moment larger than that of the first component.

2.(Original) An organic light-emitting device, comprising:
a) a substrate;
b) an anode and a cathode disposed over the substrate;
c) a luminescent layer disposed between the anode and the cathode wherein the luminescent layer includes a host and at least one dopant;

d) the host of the luminescent layer being selected to include a solid organic material comprising a mixture of at least two components wherein:

i) the first component of the mixture contains an aminoanthracene compound of the formula:



wherein:

R₁ to R₁₀ are individually hydrogen, fluoro, halogen, hydroxy, nitro, cyano, unbranched alkyl or substituted unbranched alkyl of from 1 to 24 carbon atoms, branched alkyl or substituted branched alkyl of from 1 to 24

carbon atoms, cyclic alkyl or substituted cyclic alkyl of from 1 to 24 carbon atoms, aryl or substituted aryl of from 5 to 40 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy or substituted alkoxy, aryloxy or substituted aryloxy, aromatic hydrocarbon or substituted aromatic hydrocarbon and at least one of R₁ to R₁₀ is diarylamino, arylalkylamino, or dialkylamino, and

ii) the second component of the mixture contains an organic compound having a dipole moment larger than that of the first component; and

e) the dopant of the luminescent layer being selected to produce light from the light-emitting device.

3.(Original) The organic light-emitting device of claim 2 wherein the first component of the host constitutes at least 1% by volume of the luminescent layer.

4.(Original) The organic light-emitting device of claim 2 wherein the first component of the host constitutes preferably 25-75% by volume of the luminescent layer.

5.(Original) The organic light-emitting device of claim 2 wherein the second component includes an oxinoid compound.

6.(Currently Amended) The organic light-emitting device of claim 5 wherein the second component includes AlQ₃, ~~GaQ₃, InQ₃, SeQ₃, ZnQ₂, BeBq₂ (bis(10-hydroxybenzo[h]quinolino)beryllium), Al(4-MeQ)₃, Al(2-MeQ)₃, Al(2,4-Me₂Q)₃, Ga(4-MeQ)₃, Ga(2-MeQ)₃, Ga(2,4-Me₂Q)₃, Mg(2-MeQ)₂, or Al(2-MeQ)₂(X) wherein X is aryloxy, alkoxy, aryleboxylate, or heterocyclic carboxylate group.~~

7.(Original) The organic light-emitting device of claim 2 wherein the second component of the host constitutes preferably 75-25% by volume of the luminescent layer.

8.(Original) The organic light-emitting device of claim 2 wherein the dopant concentration in the luminescent layer is between 0.1 and 10% by volume.

9.(Original) The organic light-emitting device of claim 2 wherein the dopant includes a coumarin dye.

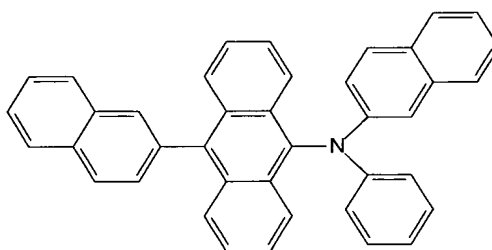
10.(Original) The organic light-emitting device of claim 9 wherein the dopant includes C-6, C-545T, or C-525T.

11.(Original) The organic light-emitting device of claim 2 wherein the dopant includes a quinacridone dye.

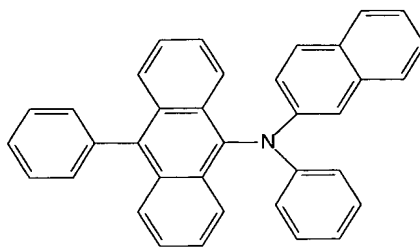
12.(Original) The organic light-emitting device of claim 11 wherein the dopant includes QA, DMQA, CFDMQA, or DPQA.

13.(Original) The organic light-emitting device of claim 2 wherein the dopant produces blue, blue-green, green, green-yellow, or yellow light.

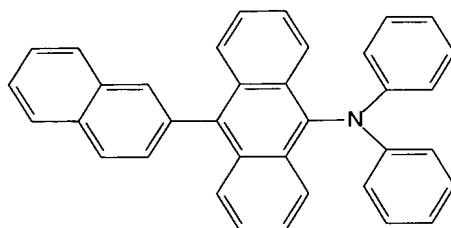
14.(Original) The organic light-emitting device of claim 2 wherein the first component of the host includes a compound of the formula:



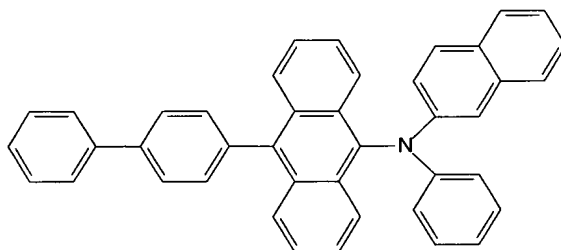
15.(Withdrawn) The organic light-emitting device of claim 2 wherein the first component of the host includes a compound of the formula:



16.(Withdrawn) The organic light-emitting device of claim 2 wherein the first component of the host includes a compound of the formula:



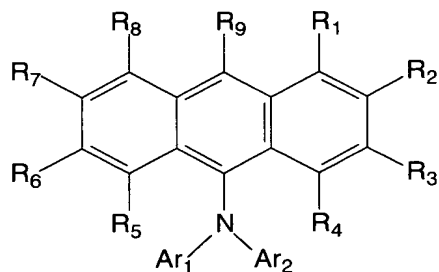
17.(Withdrawn) The organic light-emitting device of claim 2 wherein the first component of the host includes a compound of the formula:



18.(Original) An organic light-emitting device, comprising:

- a) a substrate;
- b) an anode and a cathode disposed over the substrate;
- c) a luminescent layer disposed between the anode and the cathode wherein the luminescent layer includes a host and at least one dopant;
- d) the host of the luminescent layer being selected to include a solid organic material comprising a mixture of at least two components wherein:

i) the first component of the mixture contains an aminoanthracene compound of the formula:



wherein:

R₁ to R₉ are individually hydrogen, fluoro, halogen, hydroxy, nitro, cyano, unbranched alkyl or substituted unbranched alkyl of from 1 to 24 carbon atoms, branched alkyl or substituted branched alkyl of from 1 to 24 carbon atoms, cyclic alkyl or substituted cyclic alkyl of from 1 to 24 carbon atoms, aryl or substituted aryl of from 5 to 40 carbon atoms, heterocyclic or substituted heterocyclic, alkenyl or substituted alkenyl, alkoxy or substituted alkoxy, aryloxy or substituted aryloxy, aromatic hydrocarbon or substituted aromatic hydrocarbon; Ar₁ and Ar₂ are individually aryl or substituted aryl of from 5 to 40 carbon atom.; and

ii) the second component of the mixture contains an organic compound having a dipole moment larger than that of the first component; and

e) the dopant of the luminescent layer being selected to produce light from the light-emitting device.

19.(Original) The organic light-emitting device of claim 18 wherein the first component of the host constitutes at least 1% by volume of the luminescent layer.

20.(Original) The organic light-emitting device of claim 18 wherein the first component of the host constitutes preferably 25-75% by volume of the luminescent layer.

21.(Original) The organic light-emitting device of claim 18 wherein the second component includes an oxinoid compound.

22.(Currently Amended) The organic light-emitting device of claim 21 wherein the second component includes AlQ_3 , ~~GaQ_3 , InQ_3 , SeQ_3 , ZnQ_2 , BeBq_2 (bis(10-hydroxybenzo[*h*]quinolino)beryllium), $\text{Al}(4\text{-MeQ})_3$, $\text{Al}(2\text{-MeQ})_3$, $\text{Al}(2,4\text{-Me}_2\text{Q})_3$, $\text{Ga}(4\text{-MeQ})_3$, $\text{Ga}(2\text{-MeQ})_3$, $\text{Ga}(2,4\text{-Me}_2\text{Q})_3$, $\text{Mg}(2\text{-MeQ})_2$, or $\text{Al}(2\text{-MeQ})_2(\text{X})$ wherein X is aryloxy, alkoxy, aryloxy, or heterocyclic carboxylate group.~~

23.(Original) The organic light-emitting device of claim 18 wherein the second component of the host constitutes preferably 75-25% by volume of the luminescent layer.

24.(Original) The organic light-emitting device of claim 18 wherein the dopant concentration in the luminescent layer is between 0.1 and 10% by volume.

25.(Original) The organic light-emitting device of claim 18 wherein the dopant includes a coumarin dye.

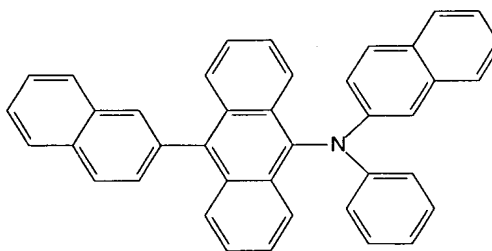
26.(Original) The organic light-emitting device of claim 25 wherein the dopant includes C-6, C-545T, or C-525T.

27.(Original) The organic light-emitting device of claim 18 wherein the dopant includes a quinacridone dye.

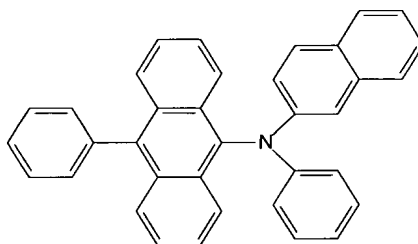
28.(Original) The organic light-emitting device of claim 27 wherein the dopant includes QA, DMQA, CFDMQA, or DPQA.

29.(Original) The organic light-emitting device of claim 18 wherein the dopant produces blue, blue-green, green, green-yellow, or yellow light.

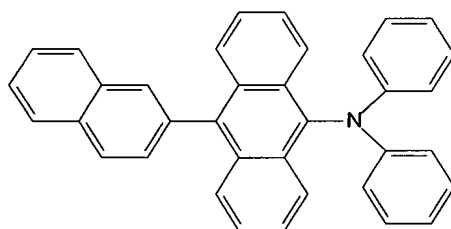
30.(Original) The organic light-emitting device of claim 18 wherein the first component of the host includes a compound of the formula:



31.(Withdrawn) The organic light-emitting device of claim 18 wherein the first component of the host includes a compound of the formula:



32.(Withdrawn) The organic light-emitting device of claim 18 wherein the first component of the host includes a compound of the formula:



33.(Withdrawn) The organic light-emitting device of claim 18 wherein the first component of the host includes a compound of the formula:

